Control Sheet

Issue date	Revision number	Reason	Pages affected
08.15.2005	00	New release (FM4693)	All pages
11.10.2005	01	Corrections (FM4750)	All pages

CR-IR 357 Service Manual

Product Specifications

1. Specifications of Machine

1.1 Product Code

Abbreviated product name	Description	Qty.	Operation panel screen contents	Remarks
CR IR 357 RU USA 1 E	Image reader main body CR-IR 357 (For the U.S.)	1	- For use at hospitals - English indications	- Inch-type specification - For FMSU direct selling
CR IR 357 RU E	Image reader main body CR-IR 357 (For European and other foreign countries)	1	- For use at hospitals - English indications	- Metric-type specification - For use at hospitals

1.2 Available IP Sizes and Types

■ Available IP types

- ST-VI type
- ST-VN type

■ Available IP sizes

- Inch (inch): 14 x 17, 14 x 14, 10 x 12, 8 x 10
- Metric (cm): 35 x 43, 35 x 35, 24 x 30, 18 x 24, 15 x 30

* The 15 x 30 cm IPs can also be read by a machine that is set for the inch-type.

Note that both inch- and metric-sized IPs cannot be used concurrently in this machine. The change in machine setup is necessary to change the IP size to be used. Refer to the Checks, Replacement and Adjustment of Parts “20. Changing the Machine Setup in Accordance with the IP Type (Inch/Metric Changeover)” for the detailed procedures of changing the machine setup.

☞ **{MC:20._Changing the Machine Setup in Accordance with the IP Type (Inch/Metric Changeover)}**

1.3 Available Cassette Types and Sizes

■ Cassette CC (ST Cassette)

- Inch (inch): 14 x 17, 14 x 14, 10 x 12, 8 x 10
- Metric (cm): 35 x 43, 35 x 35, 24 x 30, 18 x 24, 15 x 30

* The 15 x 30 cm cassettes can also be used in a machine that is set for the inch-type.

■ Cassette LC (Long Cassette)

- **Twin cassette**
  - Inch (inch): 14x17-twin, 10x12-twin
  - Metric (cm): 24x30-twin
- **Triple cassette**
  - Inch (inch): 14x17-triple, 14x14-triple

1.4 List of Optional Items

Abbreviated product name	Item	Qty	Remarks
IR 355 FLOOR FIX KIT #(E)	Anti-topple retainer kit	1	For retaining the machine
IR 355 STAND #(E)	Supporter	1	
IR 355 CASSETTE RACK #(E)	Cassette rack	1	
-	Supporter cassette rack	1	
-	Supporter cassette rack (for long cassette)	1	

1.5 Product Specifications

■ Maximum Heat Generation

Standby: 0.36 MJ/h or less
Operating: 0.73 MJ/h or less
Hibernation: 0.07 MJ/h or less

■ Noise

Standby: 40 dB or less
Operating: 55 dB or less

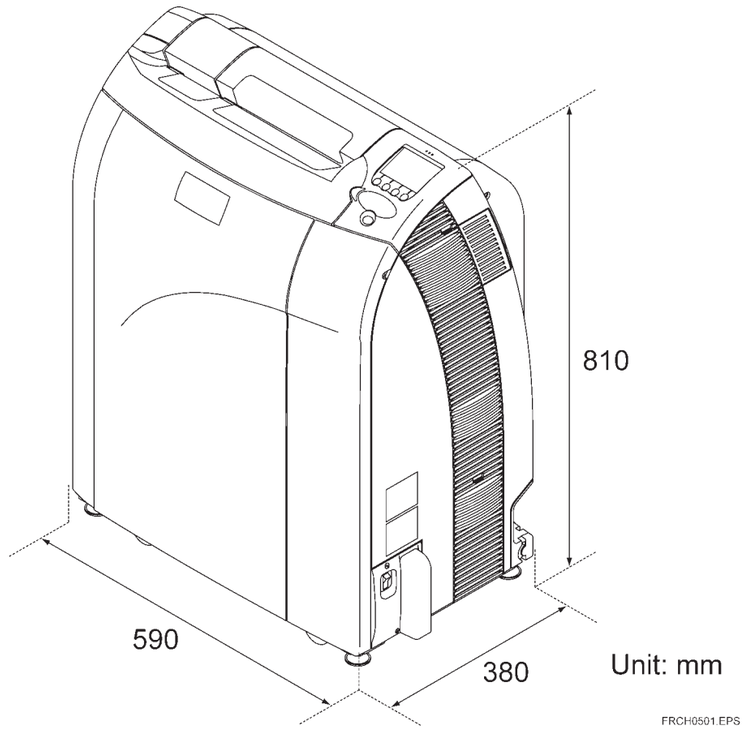
■ Warm-up Time

- **Power non-interlinked setting (when RU is started up alone)**
  42 seconds or less
- **Power interlinked setting (when RU is started up by CR Console)**
  98 seconds or less

1.6 Dimensions, Weight, and Center of Gravity

■ Dimensions

W590 × D380 × H810 (mm) (except protrusions)



■ Weight

98 kg

■ Center of Gravity

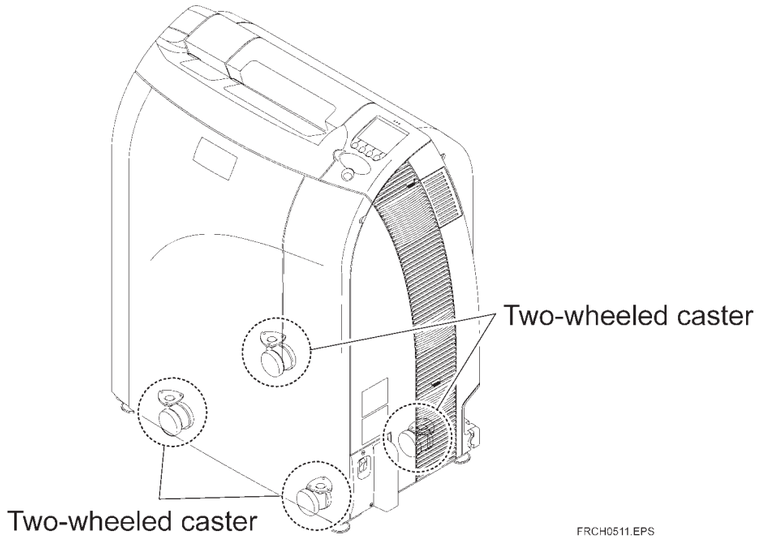
Height: 350 mm approx.
From right-hand side: 290 mm approx.
From front: 200 mm approx.

◆ ***NOTE*** ◆

The center of gravity is as measured from the adjustable foot.

1.7 Moving Means for the Machine

Two-wheeled casters (direction-variable/without brake): Four casters

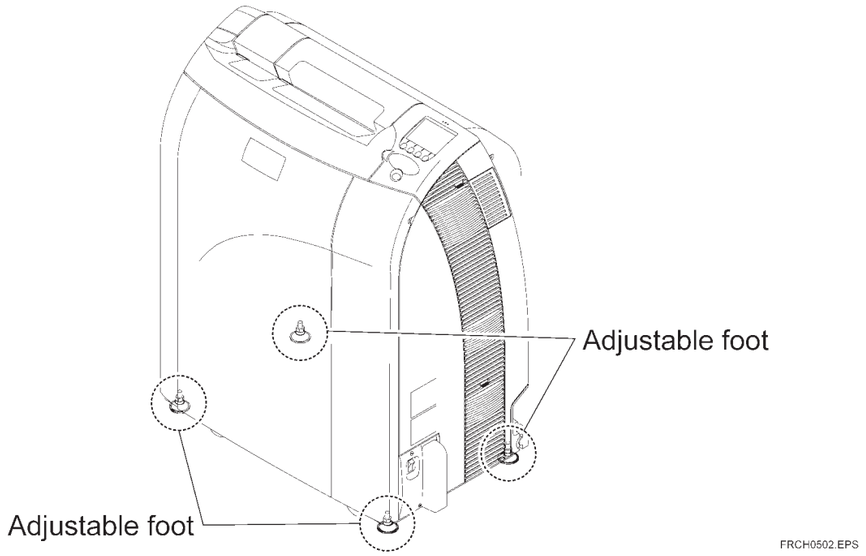


1.8 Retaining Means for the Machine

The following two kinds of retaining means of the machine are available.
- Retaining on the adjustable feet
- Retaining through the use of a anti-topple retainer

1.8.1 Retaining the Machine on Adjustable Feet

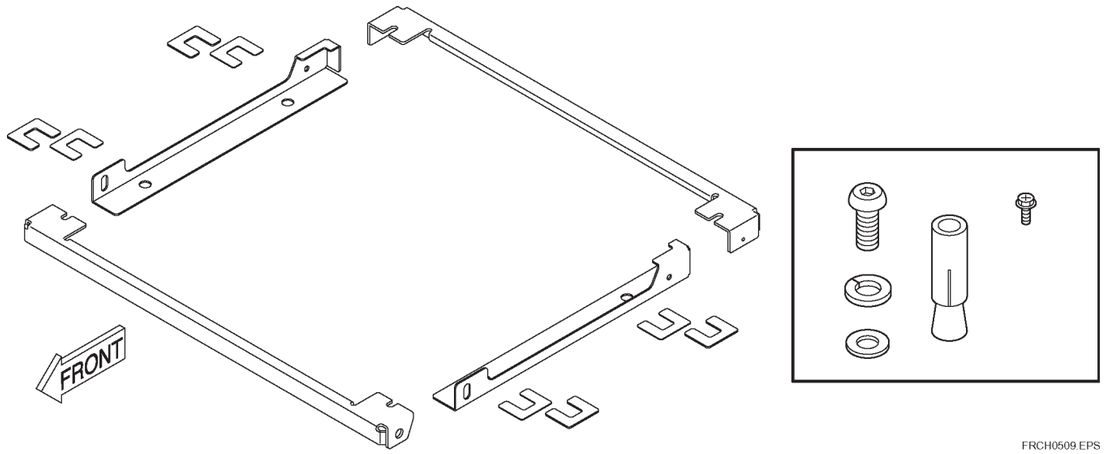
The machine is fixed by four adjustable feet.
The long cassette cannot be used while the machine is fixed by the adjustable feet.



1.8.2 Retaining the Machine by Use of Anti-Topple Retainer

The machine is fixed through the use of an optional anti-topple retainer in the following cases:

- When the machine is to be fixed to the floor through the use of the safety as required by the user;
- When the long cassette is to be used;



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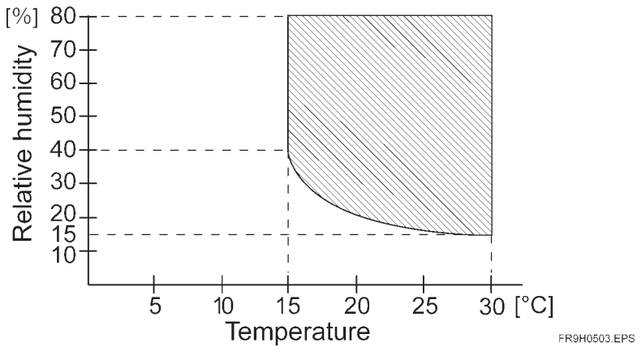
1.9 Environmental Conditions

■ Climate Conditions

- **Operating**
  Temperature: 15 °C (40%) to 30 °C (80 %)
  Relative humidity: 15 % RH (30 °C) to 80 % RH (30 °C) (without moisture condensation)
  Atmospheric pressure: 750 to 1060 hPa



- **Non-operating**
  Temperature: 0 to 45 °C (Should not freeze)
  Relative humidity: 10 to 90% RH (without moisture condensation)
  Atmospheric pressure: 750 to 1060 hPa

- **Transit/storage**
  Temperature: -10 to 50 °C (Should not freeze)
  Relative humidity: 10 to 90 % RH (without moisture condensation)
  Atmospheric pressure: 750 to 1060 hPa

■ Floor (Machine Surface) Vibration

10 to 55 Hz in frequency and 0.015 mm or less in amplitude

■ Floor Levelness

10 mm/m (inclination: 1/100 or less), for front, rear, right, and left

■ Floor Flatness

10 mm/m or less

■ Variable Magnetic Field

DC 0.3 Gauss or less

1.10 Electrical Specifications

■ Frequency

Single-phase, 50-60 Hz, ±3%

■ Input Voltage

Single-phase, 100-240 VAC ±10%

■ Rated Amperage

Single-phase, 100-240 VAC, 50-60 Hz : 5 A

■ Power Consumption

Operating:	200 VA or less
Standby:	100 VA or less
Remote standby:	20 VA or less

■ Grounding

Class D grounding (former Class 3 grounding) (100 Ω or less)

■ Overload Protection

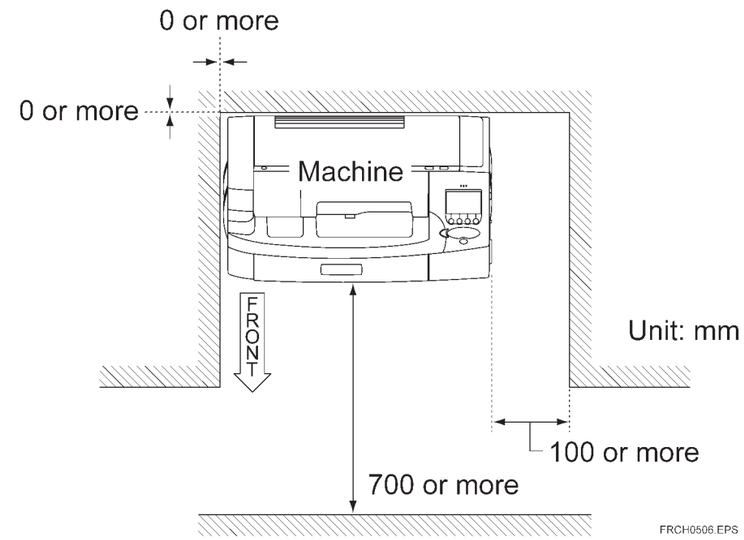
10 A

1.11 Servicing Space

When servicing the machine, the space indicated below should be secured.

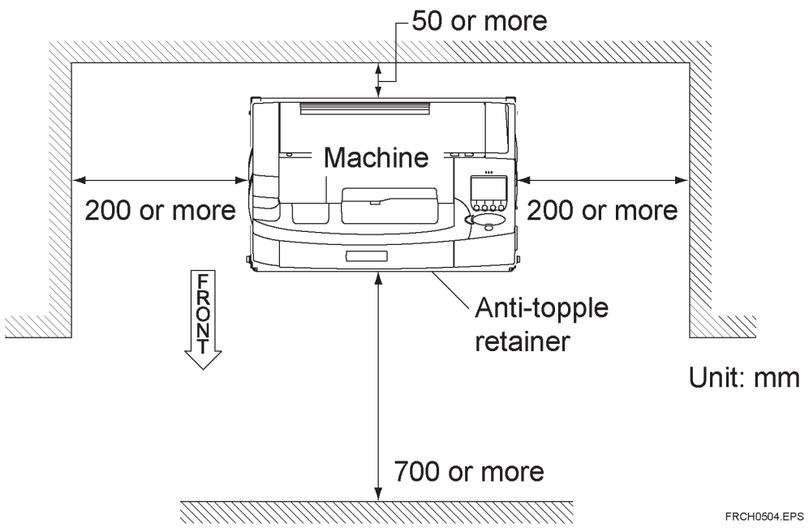
1.12 Installation Space

1.12.1 For Fixing by Adjustable Feet

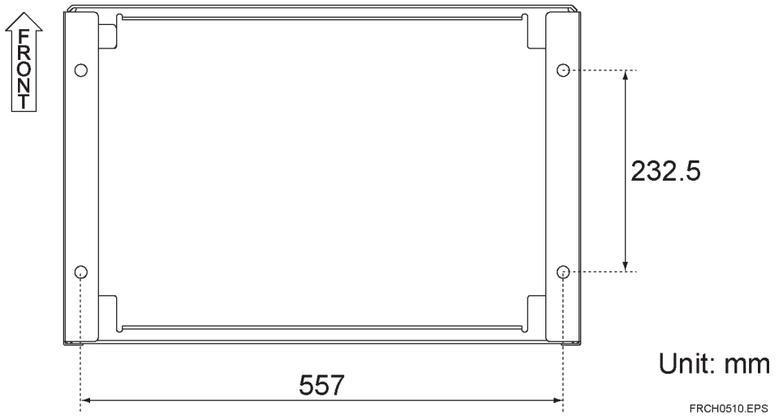


1.12.2 Retaining the Machine by the Anti-Topple Retainer

- **Top view**

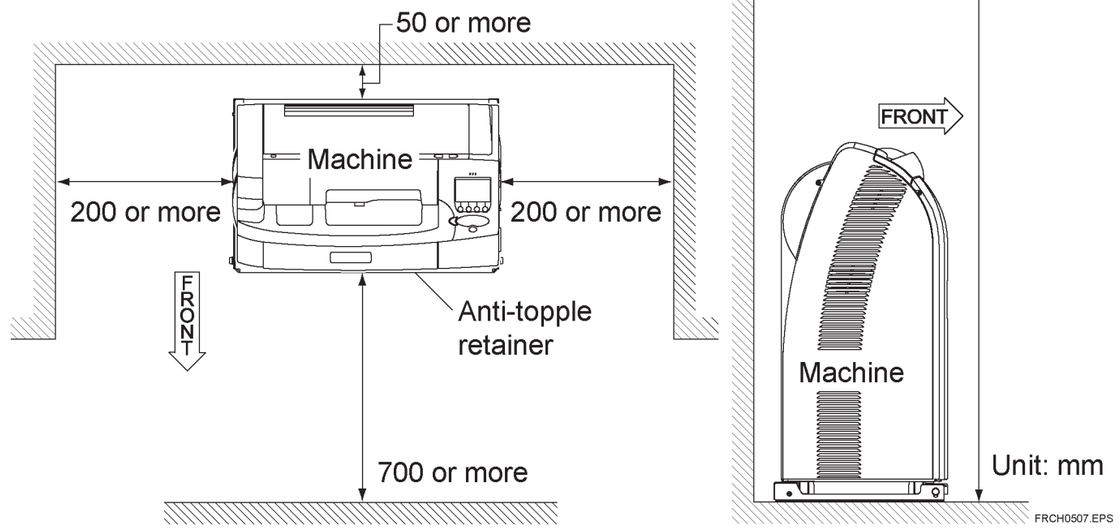


- **Location of holes for the anti-topple retainer**

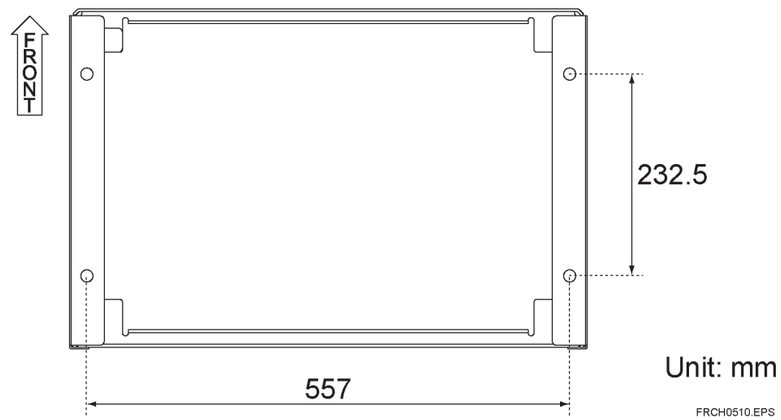


1.12.3 Installing the Machine where the Long Cassette Is to Be Used

- **Top view and side view**

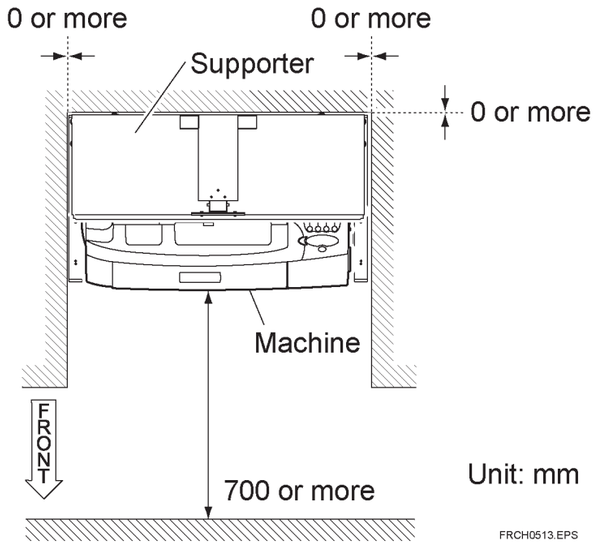


- **Location of holes for the anti-topple retainer**



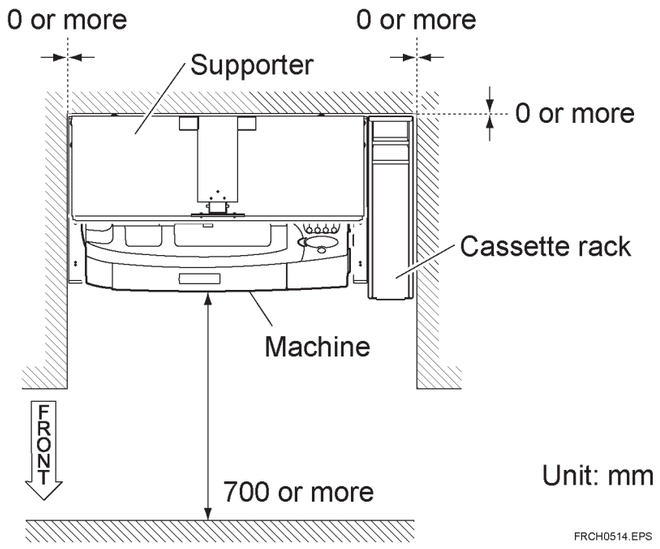
1.12.4 Using the Supporter

- **Installation space required for the supporter only**



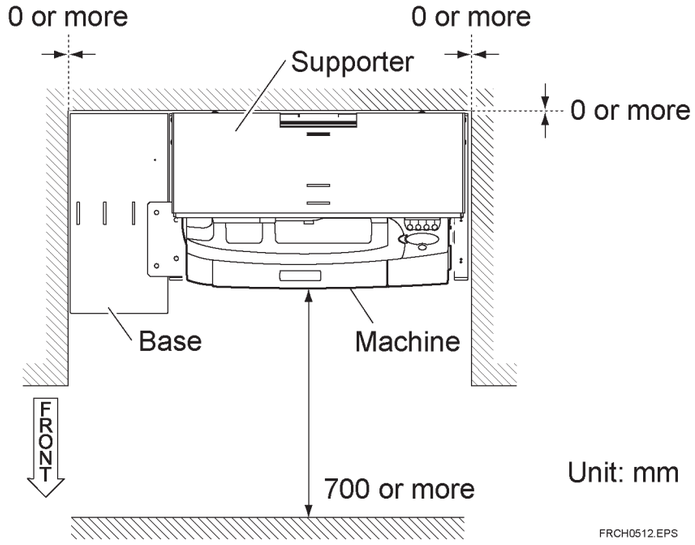
- **Installation space required when the cassette rack is attached to the supporter**

The cassette rack mounting position and installation space are left-right symmetrical.



- **Installation space required when the base is attached to the supporter**

The base mounting position and installation space are left-right symmetrical.



1.13 Disposal

1.13.1 Disposal of IP

Regarding the IP disposal, follow the instructions to dispose as laws are provided in each country and region. We will provide the product safety information as needed.

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